

Minutes from CAPS Committee Meeting on May 18, 2017

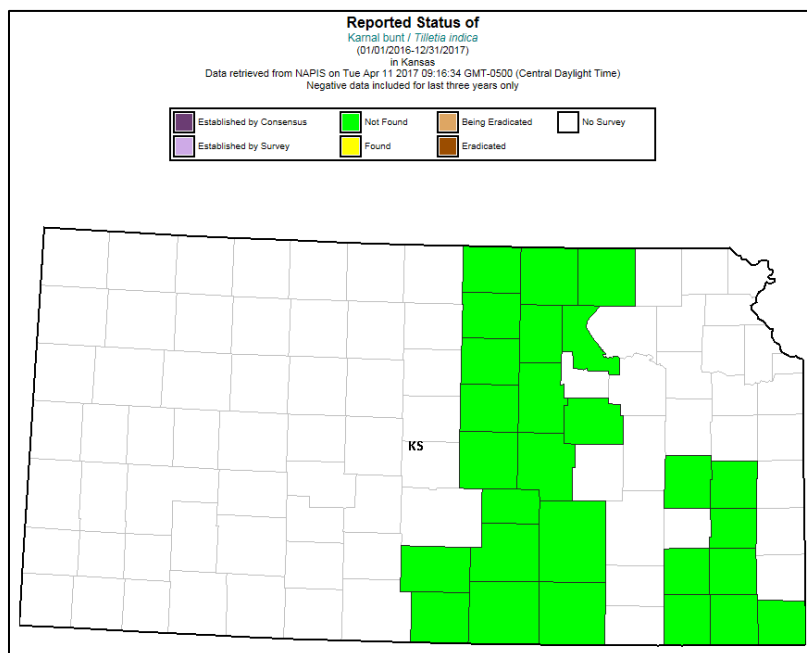
The state CAPS Committee met on May 18, 2017 at 9:00 am at the Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan. In attendance were: Shayne Galford-USDA-APHIS-PPQ, Craig Webb-USDA-APHIS-PPQ, Hannah Muxlow-USDA-APHIS-PPQ, Doug Jardine-KSU, Chris Steffen-KDWPT, Ryan Armbrust-KFS, Eva Zurek-KSU, Tim Todd-KSU, Jeff Vogel-KDA, Greg Chrislip-KDA, Scott Marsh-KDA and Laurinda Ramonda-KDA.

Introductions were made.

2016 Surveys:

CAPS surveys and line items:

- **Karnal bunt**
 - 96 samples in 27 eastern counties were collected.
 - Collection of samples occurred from June 15 – June 23, 2016
 - 3 staff – Gaelle Hollandbeck, Jeremy Maples, Tom Sanders collective samples
 - All samples sent to lab in Arizona and all were negative

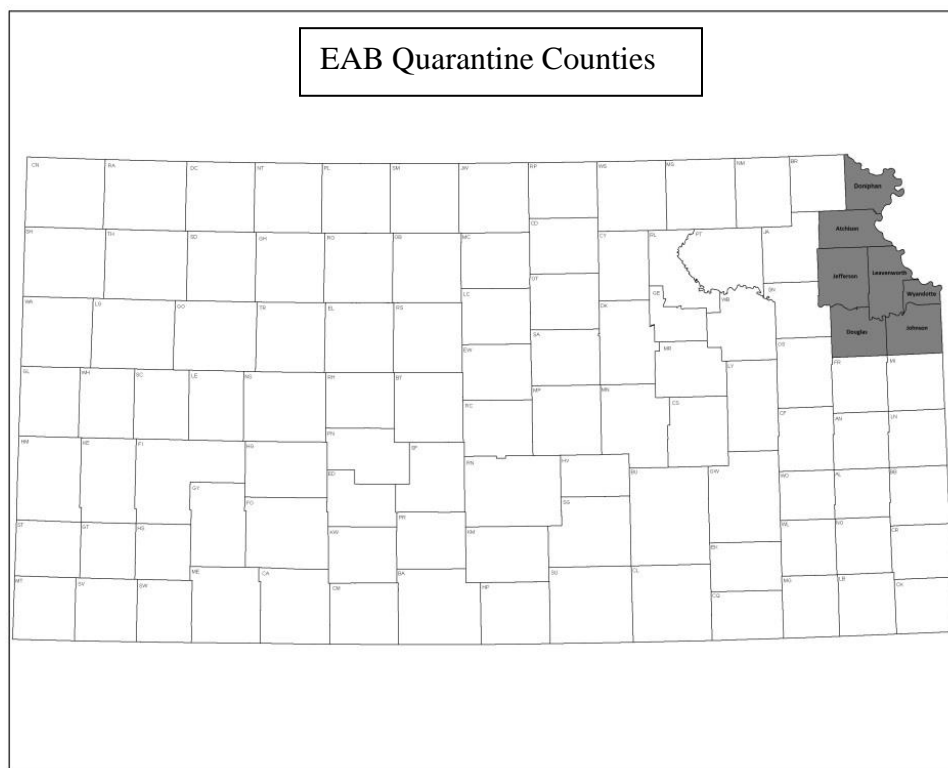


This map only represents pest survey data submitted to the NAPIS database by participating states in the Cooperative Agricultural Pest Survey (CAPS) program with USDA, APHIS, PPQ. Data is based on survey observation by calendar year. CERIS does not certify the accuracy or completeness of this map. "Survey in Progress" does not imply that all counties are expected to report. © 2004- 2017 Purdue University. All Rights Reserved.

- **Emerald ash borer** – USDA is contracting out trapping
 - **Atchison County EAB Find Background** - USDA is contracting out trapping. On September 19, 2016 a suspect EAB specimen was removed from a trap in the

Cummings township area in Atchison County. USDA positively identified EAB on September 23. This is a new county record.

- **Doniphan County EAB Find Background** – On March 31, 2017, several EAB larvae were removed from an ash tree in a native stand of timber in rural Doniphan County near the town of Bendena by the Kansas Forest Service and KDA staff. Regulatory officials with USDA's Animal and Plant Health Inspection Service's Plant Protection and Quarantine (USDA-APHIS-PPQ) confirmed the presence of EAB on April 4, 2017.



- The Kansas Department of Agriculture girdled 14 trees in 7 counties - Atchison (2), Cherokee (1), Doniphan (1), Franklin (3), Labette (2), Miami (1) and Shawnee (4). Tree removal and peeling will take place in October. Atchison County was the only county found with EAB. This county had already been positive by traps in 2016.

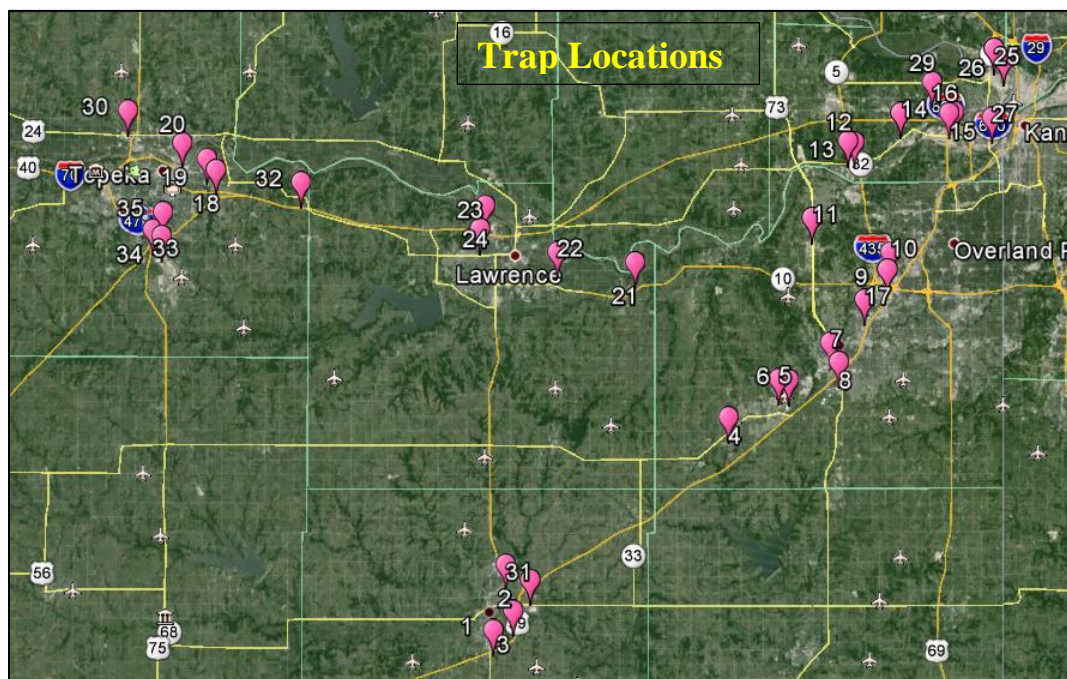


▪ **Pathway Survey: Early Detection of Exotic Plant Pests**

- Dates of trapping – April 4 – October 21, 2016 in 35 locations with 175 traps in 5 counties
- 1 seasonal staff – Brian Brunkow
- All other pests were negative

	Common Name	Scientific Name	Trapping Method
Pest:	Cucurbit beetle	<i>Diabrotica speciosa</i>	Visual
	Whitefringed weevil	<i>Naupactus leucoloma</i>	Pitfall
	Twobanded Japanese weevil	<i>Pseudocneorhinus bifasciatus</i>	Pitfall
	European wireworm	<i>Agriotes sputator</i>	Pitfall
	European wireworm	<i>Agriotes ustulatus</i>	Pitfall
	Oriental beetle	<i>Anomala orientalis</i>	Pitfall
	European chafer	<i>Rhizotrogus majalis</i>	Pitfall
	Argentine ant	<i>Linepithema humile</i>	Protein Bait (SPAM)
	Imported fire ant	<i>Solenopsis invicta</i>	Protein Bait (SPAM)
	Okinawa Gypsy Moth	<i>Lymantria albescens</i>	Delta
	Asian Gypsy Moth	<i>Lymantria dispar asiatica</i>	Delta
	Japanese Gypsy Moth	<i>Lymantria dispar japonica</i>	Delta

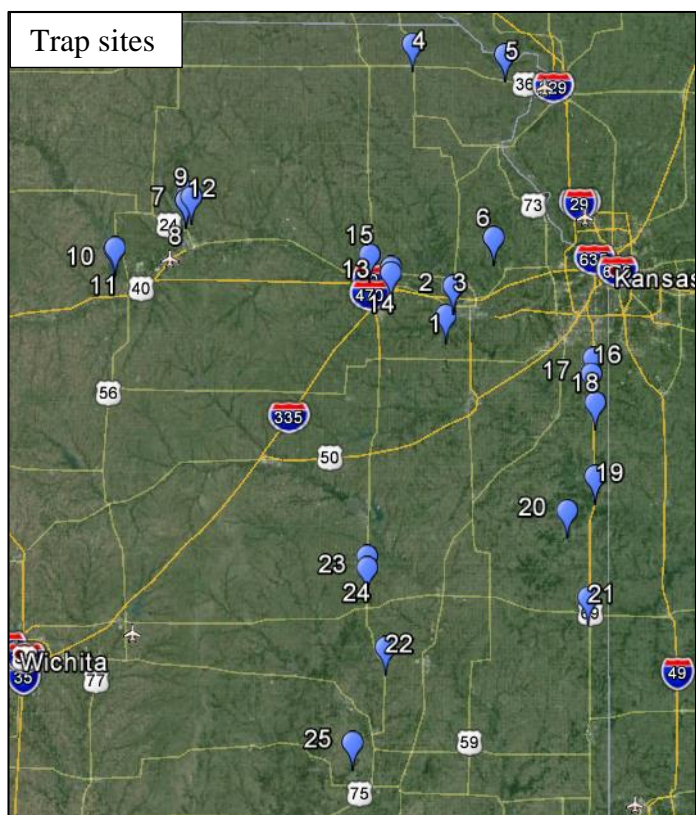
	White-winged Gypsy Moth	<i>Lymantria postalba</i>	Delta
	Hokkaido Gypsy Moth	<i>Lymantria umbrosa</i>	Delta
	Horse Thistle	<i>Onopordum acaulon</i>	Visual
	Striped helicella snail	<i>Ceruella cisalpina</i>	Visual
	Striped snail	<i>Ceruella virgata</i>	Visual
	Helicid snail	<i>Cochlicella spp.</i>	Visual
	Helicid snail	<i>Monacha spp.</i>	Visual
	Veronicellid Slug	<i>Veronicella spp.</i>	Visual



▪ **Exotic Wood Borer/Bark Beetle Survey**

- Dates of trapping – March 11 – July 22, 2016 in 25 locations with 75 traps in 14 counties. All traps negative.
- Visuals for Cerceris Wasp – 21 locations in 13 counties.
- 1 seasonal staff person – Brent Jones

Exotic Wood Borer/Bark Beetle Survey	
County	No. of Sites
Bourbon	1
Brown	1
Doniphan	1
Douglas	3
Geary	2
Leavenworth	1
Linn	2
Miami	3
Montgomery	1
Pottawatomie	2
Riley	2
Shawnee	3
Wilson	1
Woodson	2
Total	25



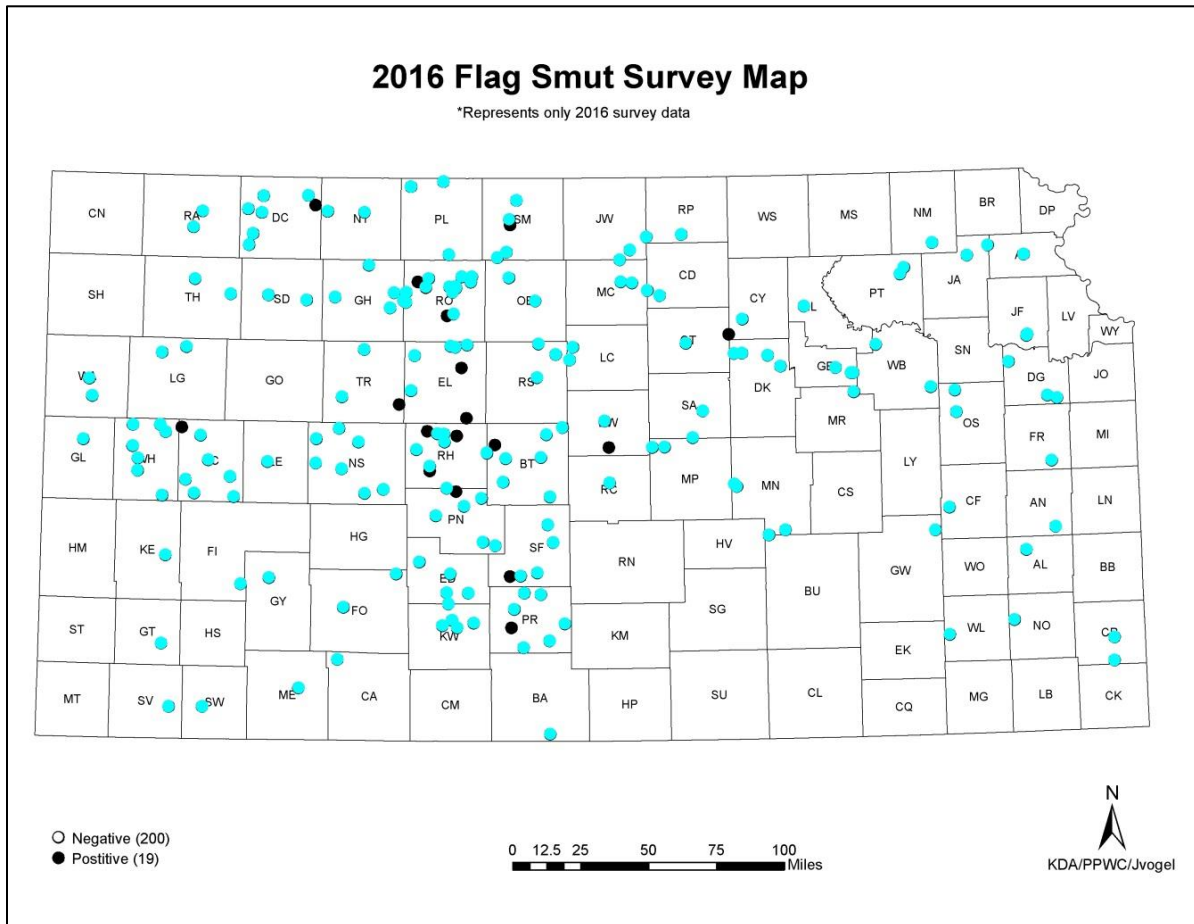
Cerceris Fumipennis Survey	
County	No. of Sites
Bourbon	1
Brown	2
Doniphan	1
Douglas	1
Geary	2
Leavenworth	1
Linn	3
Miami	0
Montgomery	3
Pottawatomie	0
Riley	1
Shawnee	2
Wilson	3
Woodson	1
Total	21

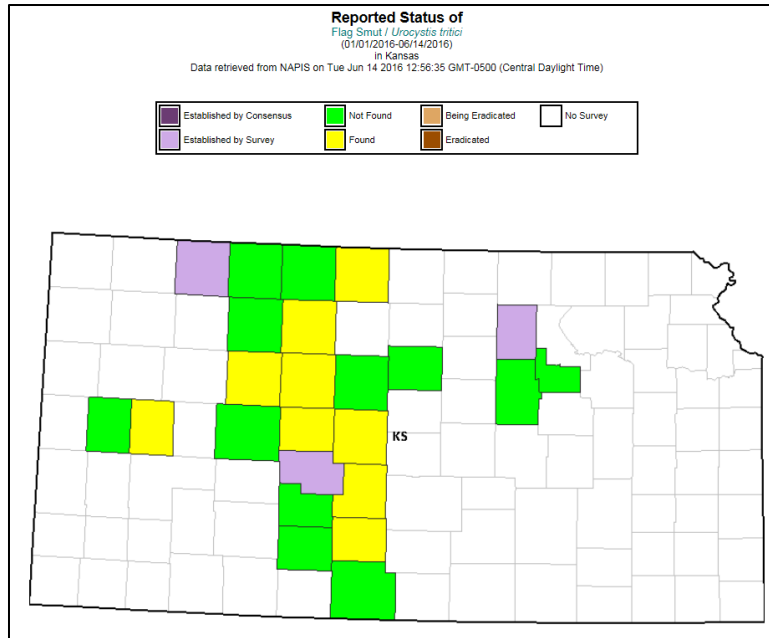


*Only 21 suitable sites to check for *Cerceris fumipennis*

▪ **Flag Smut Survey**

- Dates of survey – May 17 – June 10, 2016 in 104 locations 24 counties.
- 1 seasonal staff person – Jon Appel



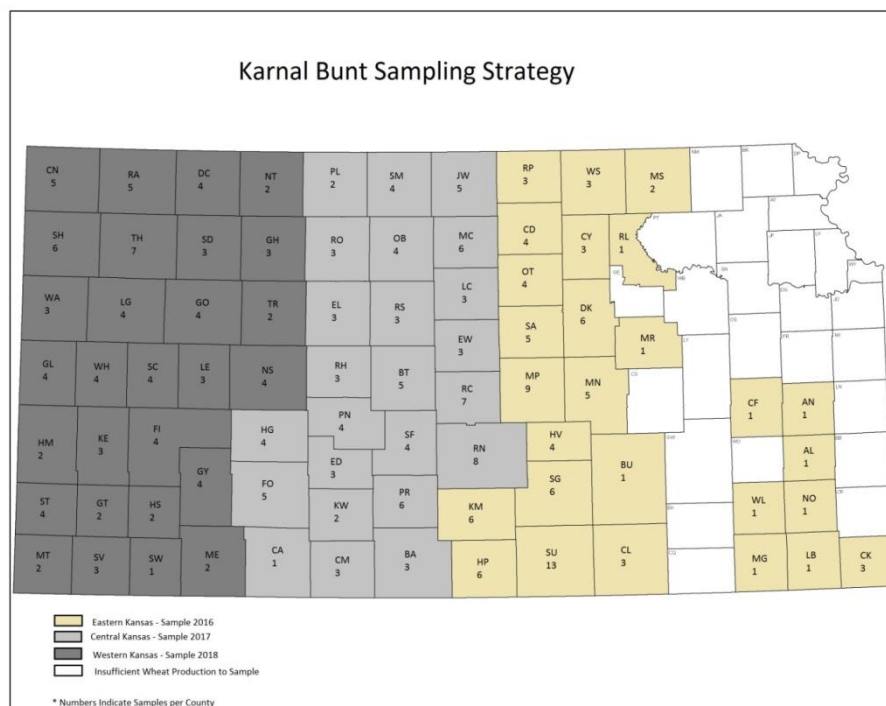


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2017 CAPS and line items plan:

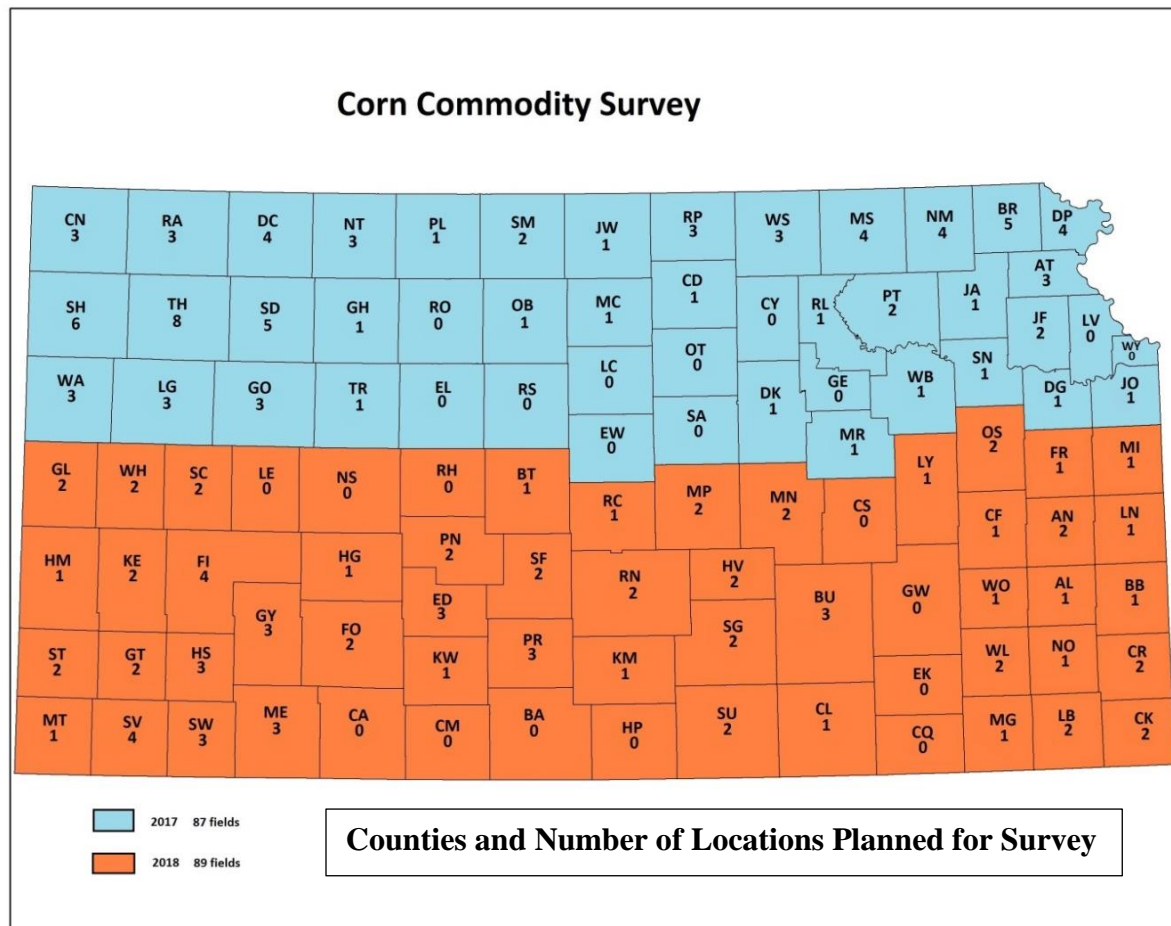
▪ **Karnal bunt**

- 94 samples planned in the central part of the state – survey done by KDA staff



■ **Corn Commodity Survey**

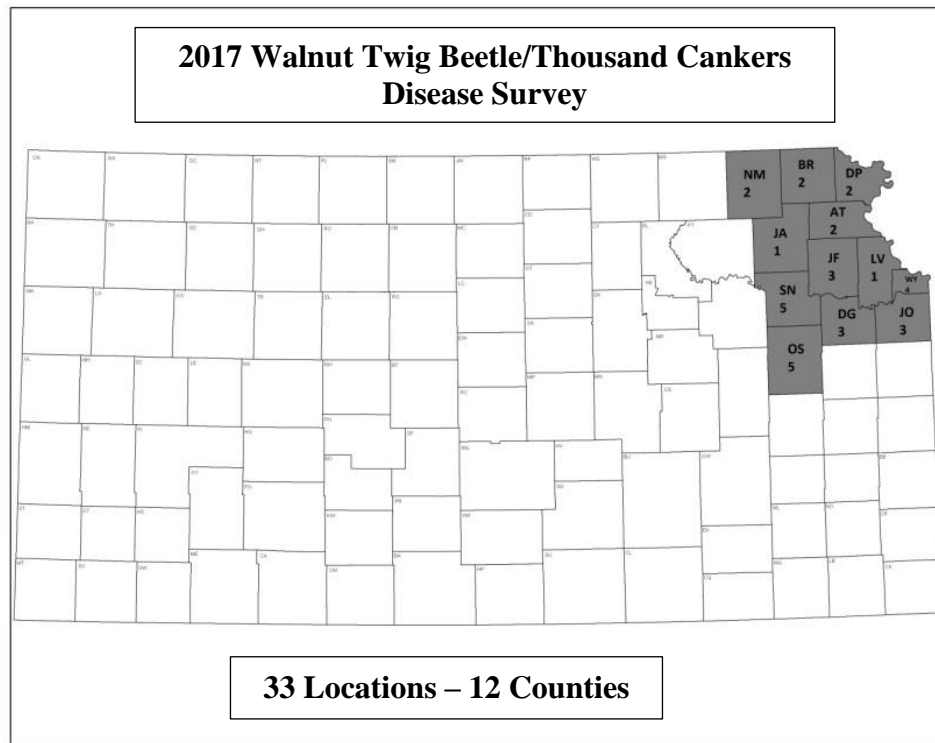
- Two year survey. In 2017, 87 samples planned in 35 northern counties – survey done by seasonal staff, Brian Brunkow. One site for every 25,000 acres of corn. Soil sampling for will occur once at each field and disease and trap activities will occur monthly at each site during May to September. Survey to begin May 11.
- Trapping – Egyptian Cottonworm (*Spodoptera littoralis*) and cotton cutworm (*Spodoptera litura*) – 1 trap for each at each location
- Diseases - late wilt (*Harpophora maydis*), Java downy mildew (*Peronosclerospora maydis*), Philippine downy mildew (*Peronosclerospora philippinensis*), Brown stripe downy mildew (*Sclerophthora rayssiae* var. *zeae*), bacterial leaf streak (*Xanthamonas vasicola* pv. *Vasculorum*), tar spot (*Phyllachora maydis* and *Monographella maydis*) and Goss' bacterial wilt.
- Nematode - Mexican corn cyst nematode (*Punctodera chalconensis*) – One sample consisting of 15-20 cores of soil from each field. Samples will be sent to Tim Todd at the KSU Nematology Lab.



2017 Farmbill:

▪ **Walnut Twig Beetle/Thousand Cankers Disease Survey**

- 33 sites with 1 trap at each site in 12 northeastern counties.
- Trapping will occur July and August.
- Seasonal staff – Brent Jones



USDA-APHIS-PPQ Updates:

Shayne Galford - State Plant Health Director (SPHD):

- Final processes occurring to have a temporary Pest Survey Specialist (PSS) Art Wagner from Wisconsin to help with Kansas needs. Has experience in *P. ramorum*, weeds and farmbill.
- 2016 Gypsy Moth – Set 373 traps and 98 delimiting traps set in a 9 square mile area around the 1 positive detection in the Kansas City area from the 2015 survey. All were all negative.
- 2016-Grass hopper was done in 36 Counties and 0-26 per square yard were found. Down from previous year.
- 2016-EAB National contractor-137 traps, 1 positive in Atchison County.
- 2017-Gypsy Moth-State will be put into 4 quadrants for survey-Southwest quadrant will be done this year with 200 traps.
- 2017-Grasshopper survey to continue.
- 2017-15 traps for wood borers.
- 2017-EAB contractors are setting 1000+ traps. 65% have been deployed.

Craig Webb – In the process of hiring. The lab will be up to 4 people.

KDA Specialist Updates:

Jeff Vogel:

Update from Gaelle Hollandbeck:

- Flag Smut-concerned about trade issues-2015 flag smut detected in demonstration plot.
- 2016-Performed targeted survey for flag smut –Clay, Pawnee, Decatur and Ellsworth were new positives.
- Rush County became a concern since 3 out of 3 fields scouted were positive. Also 1 field in Ellis and 1 field in Pawnee county.
- 2016-No target survey for flag smut but after scouting Ellis county for disease, 3 out of 3 fields were positive for flag smut.
- Wheat streak mosaic- volunteer wheat is cause of disease. Plan to do outreach.
- Corn-plan to train seasonal staff on diseases for corn survey.
- Bacterial streak of corn was added to the corn survey because of the find and subsequent survey last year to determine its spread in Kansas.
- Nursery-lots of Hosta Virus X being found in numerous varieties in the big box stores.

The statewide rejection means that a particular lot or group of plants do not meet the pest freedom standard on a statewide basis. These Hosta varieties are on a stop sale.

- Captain Kirk, 1 gallon, Park Hill
- Janet, 1 gallon, Park Hill
- Antioch, quart, Park Hill
- Francee, 1 gallon, Park Hill
- Francee, quart, Park Hill
- Fragrant Bouquet, Quart, Park Hill
- Blue Mouse ears 1 gallon, Park Hill
- Blue Mouse Ears, quart, Park Hill
- Guacamole, 1 gallon, Park Hill
- Canna-several shipments of canna with Cann Yellow Mottle Virus and general Potyvirus group have been found.

Jeff update:

- EAB trap trees are girdled in 9 northeast counties-4 Shawnee, 2 Osage, 1 Franklin, 1 Miami
- Also in Cherokee, Labette and Crawford counties.

Greg Chrislip:

- 2017 Bio-control releases will occur at Wyandotte County Lake for EAB again this year. *Tetrastichus*, *Spathius agrili* and *Oobius*.
- Walnut twig beetle trapping in field staff areas for 2016 were negative.
- Brown marmorated stinkbug trapping 5 field staff areas were negative for 2016.
- In 2018 will check for established release insects.

Scott Marsh:

- Old World Bluestem phone survey with NRCS, Extension, etc is currently in 102 counties infested. Other organizations would like to get it listed as noxious.
- Biocontrol – 2013 *Diorhabda* found mostly in southwestern counties. Unable to find it in 2015 & 2016. Could be due to wet and flooding conditions.
- Hay donations from fires-Monitoring at staging areas for red imported fire ants and weeds needs to be done. Outreach needs to occur to landowners, extension and weed directors. USDA would like landowner names to help with survey.
- Legislative session-Kansas Livestock Association wanted to have wild blackberry as a county option invasive species and also have Himalayan blackberry added-bill failed.

Specialist Updates:

Eva Zurek:

- Receiving few samples-only getting 30% from extension and rest is from the public. Public samples are harder to follow up on.
- Participated in tree injection training in Nebraska. Suggested having one in Kansas.

Doug Jardine:

- Wheat Streak Mosaic Virus-inundated with samples, 2 months ahead of last year with sample numbers. Resistance gene seems to be temperature regulated. Mite moves it more when it is dry.
- Stripe Rust-most planted variety seems to be most susceptible.
- Huge unknown from the effect of the late snow.
- 20% of corn planted in west part of state. Essentially done in east.
- Diplodia Ear Rot-2016 worst year.
- Southern rust –will be monitoring.

Chris Steffen:

- Survey for zebra mussels continuing –15 year concern. 28 lakes infested which is 75% of the acreage. Infested lakes are being researched on reproduction.
- Quagga mussel-next one to look for. Can settle in silt and sand.
- Aquatic nuisance species-100 bait shop inspections occurred. Trained 2 seasonals. Found 1 violation.
- Water Mineral Signatures-collecting water samples and piggy backing with paddle fish project.
- Large Mouth Bass project-7 lakes are positive. Looking at 15 more lakes.
- Yellow Flag Iris – in 2 lakes and spraying for it.
- Eurasian Water Milfoil-about the only thing west of highway 81 that will grow for fish vegetation. It is about 20-40% plant coverage for fish.
- Would like to plan a lake vegetation survey.
- Starting to remove common carp from lakes.
- Hydrilla-root systems can survive for 7 years.

Ryan Armbrust:

- Injection and insect physiology workshop is hopefully in works. Possibly have it coincide with field day or Shade Tree Conference.
- KSU Tree Listserv is back up and running. If you want on it contact Ryan.
- WTB/TCD-both KFS Ryan's are going to the meeting at Purdue. Would like to have a meeting in Kansas of an overview of what they learned.
- Invasive Plants Grant-plans are to make a management plan, a list of invasives and identification.
- Midwest Invasive Plant Network (MIPN)-mapping of invasive plants phone app.
- Bush Honeysuckle Remote Sensing-K-State Polytechnic used a Cessna and analyzed 230,000 acres for mapping. Occurred in November. Most only thing green then.
- Leafy Oak Gall-seeing more often. Concern is deformation of young trees.
- Pine Wilt Initiative-where is it now? Where do we go with it?

Thanks to all that attended and added information!